

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number
WO 01/02037 A1

(51) International Patent Classification⁷: A61M 1/36,
B04B 5/64

[SE/SE]; Kyrkotorp 18 B, S-691 32 Karlskoga (SE).
HÄLLGREN, Emanuel [SE/SE]; Murarvägen 2, S-691
43 Karlskoga (SE). PIHLSTEDT, Peter [SE/SE]; Frej-
gatan 10, S-113 49 Stockholm (SE).

(21) International Application Number: PCT/SE00/01076

(22) International Filing Date: 26 May 2000 (26.05.2000)

(74) Agent: FALK, Bengt: Bofors Support AB, Patents and
Trademarks, S-691 80 Karlskoga (SE).

(25) Filing Language: Swedish

(81) Designated States (*national*): AU, JP, NO, US.

(26) Publication Language: English

(84) Designated States (*regional*): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

(30) Priority Data:
9901980-4 31 May 1999 (31.05.1999) SE

Published:

— With international search report.

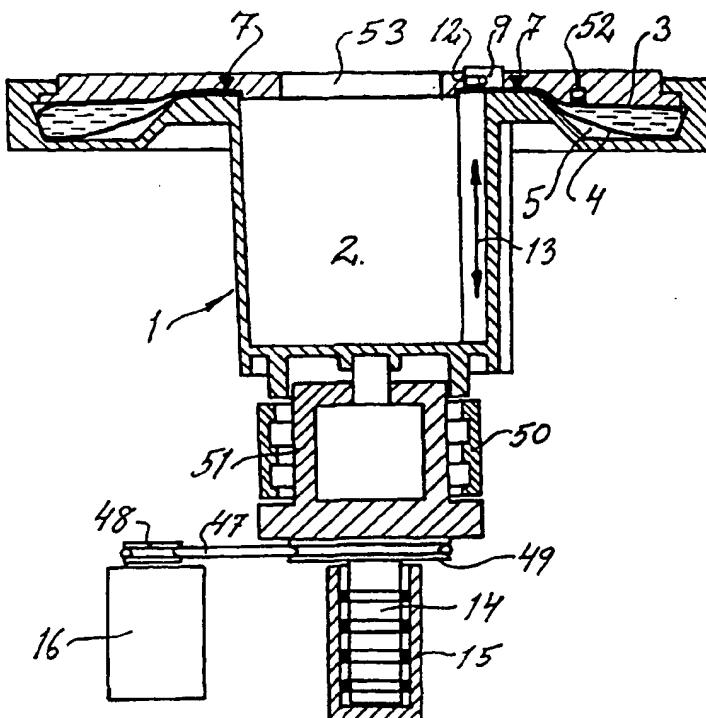
(71) Applicant (*for all designated States except US*): SAN-
GUISTECH AB [SE/SE]; S-691 80 Karlskoga (SE).

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): HÖGBERG, Niclas

(54) Title: CENTRIFUGE FOR PROCESSING BLOOD AND BLOOD COMPONENTS IN RING-TYPE BLOOD PROCESSING BAGS



WO 01/02037 A1

(57) Abstract: The claimed invention refers to a centrifuge intended for processing blood and blood components and with its function based on the effective utilisation of ring type blood processing bags with associated secondary bags and other accessories. The most outstanding feature of the centrifuge, in accordance with the claimed invention, is that its rotor, at the same intended height of the ring bag (22) inner periphery, shows at least three supports (9-11) arranged along this periphery and intended to locate the ring bag's inner strengthened periphery edge on guide holes at the same time as the centrifuge and its rotor is equipped with a joint rotating inner lid (6) which includes a clamp function (7) that clamps ring bag (22) securely along and between supports (9-11). Furthermore, in the invention these supports (9-11) have, on the one hand, built-in valve functions for communication between the ring bag and the respective secondary bags can be actively controlled and, on the other hand, sterile welding functions for communication between ring bag (22) and the respective secondary bags when interruption and blocking is required.

BEST AVAILABLE COPY